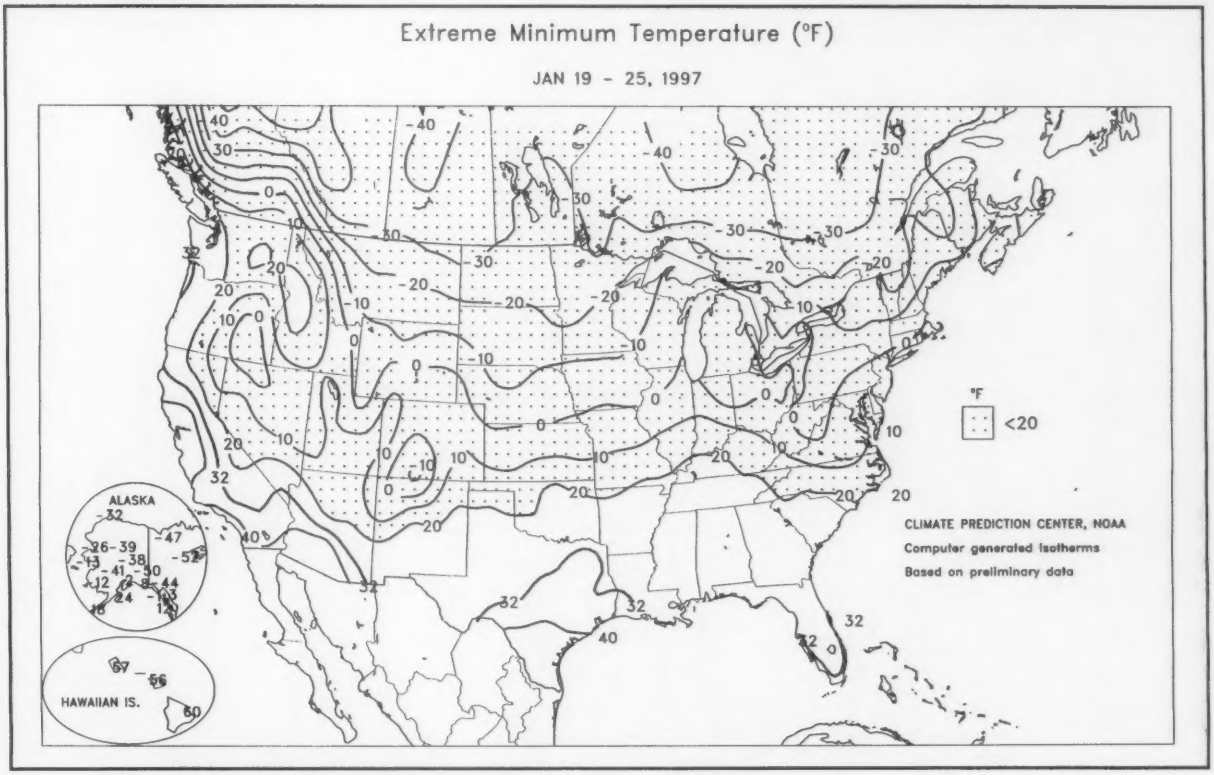
Volume 84, No. 4 January 28, 1997

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board



HIGHLIGHTS

January 19 - 25, 1997

Warm weather returned to **Florida** after Sunday's freeze, but frigid conditions gripped the **North Central States** anew after midweek. Farther west, a pair of moisture-laden storms delivered a month's worth of precipitation to **central California**, causing additional flooding and hampering flood-recovery efforts. Weekly temperatures averaged above normal nationwide except in **Florida** and the **northern Plains**, with departures reaching +4 to +12°F on the **central and southern Plains** and across the **Southeast**. Generally light precipitation fell from the **Midwest** into the **Northeast**, while showers and thunderstorms dropped as much as 1 to 3 inches of moisture on the **Southeast**. On the **central Plains**, however, a 2-month dry spell persisted.

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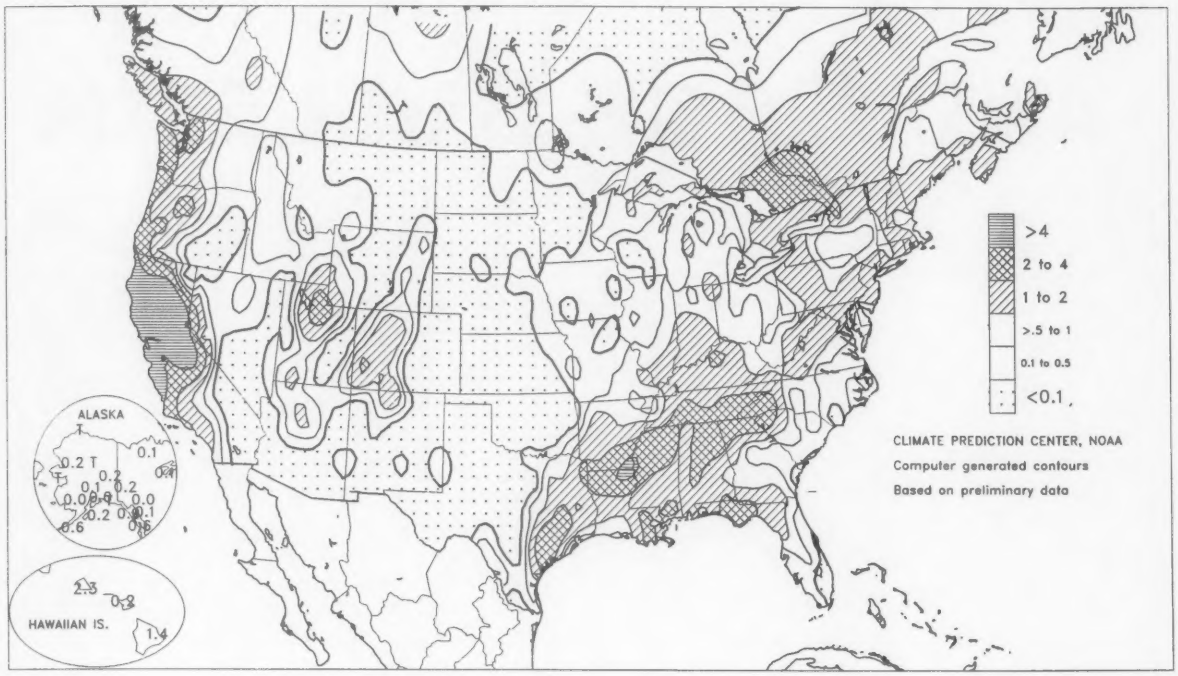
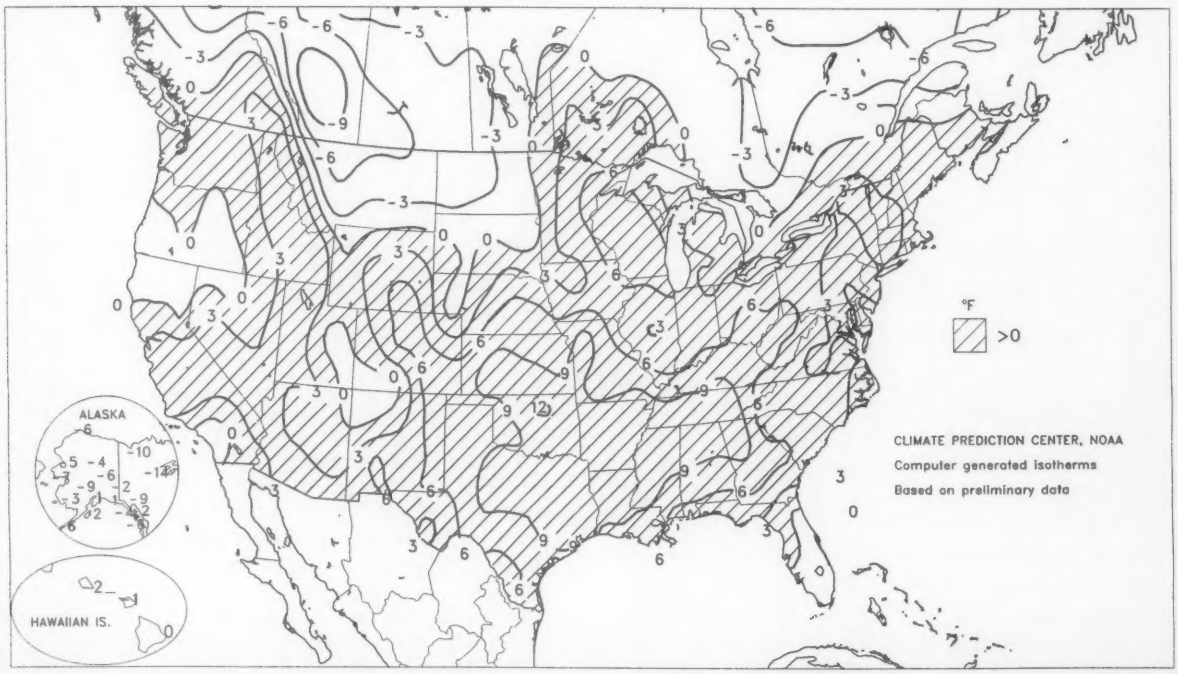
Total Precipitation (Inches)

JAN 19 - 25, 1997



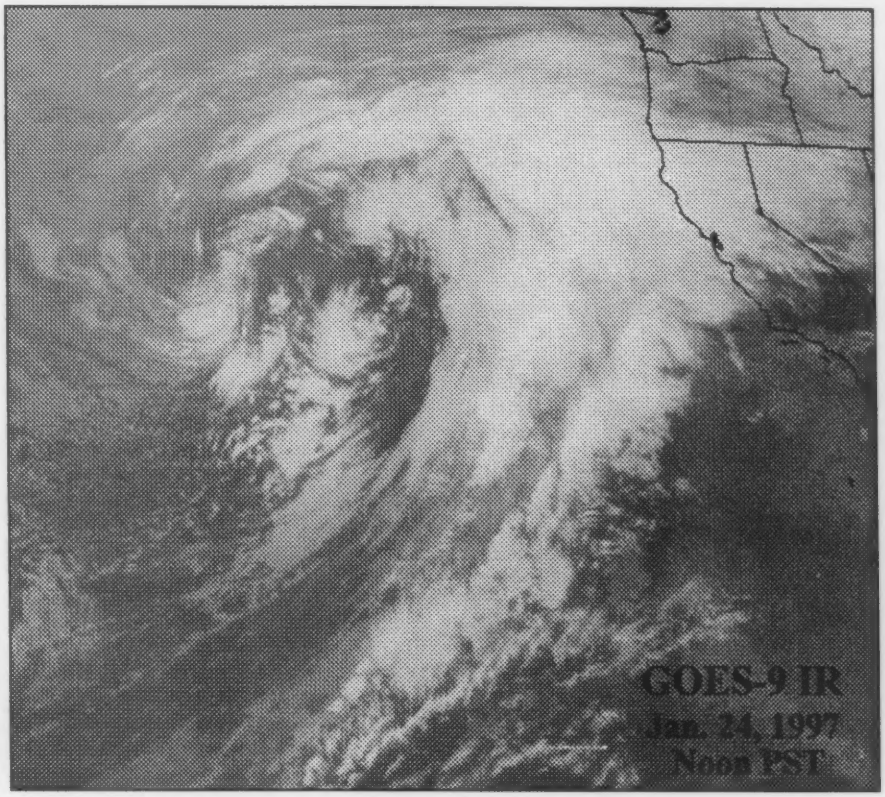
Departure of Average Temperature from Normal (°F)

JAN 19 - 25, 1997



(Continued from front cover)

On Sunday morning, a freeze struck much of **Florida**, including interior southern sections. In **Dade County**, lows dipped to 31°F in **Homestead** and 32°F in **Perrine**. In **southwestern Florida**, temperatures were at or below freezing for only 4 hours in **Ft. Myers**, but for 9 hours (including 4 hours at or below 28°F) at the nearby Southwest Florida Regional Airport. Farther north, lows in **central Florida** included 24°F near **Avon Park**, 25°F in **Plant City** and **Daytona Beach**, and 26°F in **Orlando**. By January 25, daily-record warmth returned to **Florida**, where **Miami Beach** notched 80°F.



Bitterly cold weather prevailed in the **Northeast** early in the week. On Sunday, **Montpelier, VT** logged a daily-record low of -27°F. Elsewhere across the region, lows on January 19 included -38°F in **Canaan, VT**, -30°F in **Watertown, NY**, and -25°F in **Galeton, PA**. Farther west, daily-record warmth dotted the **central Plains**, where Sunday's highs soared to 66°F in **Hill City, KS** and **McCook, NE**. A day later, **Grand Island, NE** noted 67°F.

Rain returned to **central California**, becoming heavy at midweek and again at week's end. At **Blue Canyon**, in the **Sierra Nevada** foothills, 16.97 inches fell during the week--more than their January normal of 12.42 inches--boosting their total since December 1 to 77.06 inches, 123 percent of their *annual* normal. At **Incline Village, NV**, near **Lake Tahoe**, weekly snowfall totaled 65 inches. By January 26, a network of more than 100 high-elevation **Sierra Nevada** stations reported an average of 27 inches of snow-water equivalent, about 160 percent of normal for the date. In **California's Central Valley**, downtown **Sacramento** received a daily-record, 2.13-inch rainfall on Wednesday en route to a weekly total of 4.02 inches.

Significant snow also fell eastward to the **central Rockies** and northward to the **Cascades**. In **Utah's Wasatch Range, Alta** netted 36 inches during the week. At week's end, heavy snow fell at lower elevations across the **West**, where Saturday's totals reached 2.7 inches in **Boise, ID**, 2.9 inches in **Pendleton, OR**, 5.0 inches in **Pocatello, ID**, and 7.0 inches in **Elko, NV**. Farther east, low temperatures plunged to -10 to -35°F across the **North Central States** after midweek. Combined with gusty winds and snow, occasional ground-blizzard conditions and sub-minus 60°F wind chills again engulfed the region. Very heavy snow blanketed the **Great Lakes region**. In **Marquette, MI**, where 28.7 inches fell during the week (including 12.6 inches on Saturday), monthly snowfall reached a January-record 86.7 inches. Elsewhere, weekly snowfall included 4.3 inches in **Madison, WI**, 5.7 inches in **Portland, ME**, 6.7 inches in **Fargo, ND**, and 16.1 inches in **Alpena, MI**. Farther south, rainfall topped 2 inches in locations such as **Lexington, KY**, **Chattanooga, TN**, and **Victoria, TX**. On Friday, severe thunderstorms spawned several tornadoes across the **South**, including an F2 (113 to 157 mph winds) with a 10-mile path near **Tuscaloosa, AL**, and an F4 (207 to 260 mph) with a 6.5-mile path near **Murfreesboro, TN**.

On the **Plains**, precipitation since December 1, 1996, was as low as 0.03 inch (4 percent of normal) in **North Platte, NE**, 0.04 inch (4 percent of normal) in **Dodge City, KS**, 0.07 inch (5 percent of normal) in **Concordia, KS**, and 0.09 inch (5 percent of normal) in **Abilene, TX**. Farther north, some of the season's coldest air invaded at week's end. By Sunday, January 27, lows in **Minnesota** plunged to -43°F in **Park Rapids** and a daily-record -42°F in **International Falls**. **Hayward, WI** recorded -36°F.

National Weather Data for Selected Cities

Weather Data for the Week Ending January 25, 1997

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.05 INCH OR MORE
AL	BIRMINGHAM	63	39	69	25	51	9	1.08	-0.05	0.58	8.82	95	5.54	134	90	43	0	3	2	1
	MOBILE	68	44	72	26	56	6	1.14	0.08	0.91	10.50	115	3.54	92	94	45	0	2	2	1
	MONTGOMERY	65	39	69	20	52	8	1.57	0.47	1.33	8.98	98	4.79	120	90	44	0	3	3	1
AK	ANCHORAGE	20	13	29	2	16	1	0.00	-0.17	0.00	0.30	17	0.06	9	89	83	0	7	0	0
	BARROW	-12	-28	4	-32	-20	-8	0.01	-0.02	0.01	0.05	23	0.05	50	75	69	0	7	1	0
	FAIRBANKS	-8	-24	7	-38	-16	-6	0.21	0.13	0.08	0.72	59	0.25	64	79	69	0	7	3	0
	JUNEAU	27	17	41	3	22	-2	--	--	--	--	--	--	--	84	59	0	7	-	-
	KODIAK	36	28	39	24	32	2	0.18	-1.46	0.18	12.40	96	6.02	99	79	59	0	7	1	0
	NOME	7	-6	16	-13	0	-7	0.04	-0.13	0.03	1.70	113	1.06	161	87	66	0	7	2	0
AZ	PHOENIX	67	48	72	45	57	3	0.00	-0.14	0.00	0.78	51	0.78	142	56	26	0	0	0	0
	PRESCOTT	48	29	54	21	39	2	0.00	-0.33	0.00	1.69	80	1.45	117	89	44	0	6	0	0
	TUCSON	67	43	71	39	55	3	0.00	-0.19	0.00	1.05	58	1.05	144	69	28	0	0	0	0
	YUMA	70	48	73	46	59	2	0.00	-0.08	0.00	0.27	36	0.26	87	64	27	0	0	0	0
AR	FORT SMITH	58	35	67	24	47	10	0.09	-0.32	0.07	2.38	52	0.52	34	93	56	0	3	2	0
	LITTLE ROCK	--	--	--	--	--	--	0.95	0.32	--	5.55	76	2.28	67	--	--	-	-	-	-
CA	BAKERSFIELD	62	46	66	38	54	5	0.03	-0.17	0.03	3.39	263	1.69	252	94	49	0	0	1	0
	EUREKA	54	41	61	31	48	-1	3.85	2.52	1.23	28.47	260	7.22	147	90	37	0	1	6	4
	FRESNO	57	46	62	41	52	6	0.76	0.29	0.21	7.05	235	2.81	178	95	55	0	0	6	0
	LOS ANGELES	61	51	70	46	56	-1	1.81	1.24	0.82	8.34	234	3.62	191	94	40	0	0	4	1
	REDDING	51	38	54	33	45	-2	4.06	2.71	1.32	12.83	123	5.13	104	98	74	0	0	5	4
	SACRAMENTO	54	44	59	41	49	3	4.02	3.15	2.13	11.90	221	6.09	198	99	77	0	0	-	-
	SAN DIEGO	62	52	68	48	57	0	0.75	0.34	0.64	2.72	89	2.09	141	94	34	0	0	2	1
	SAN FRANCISCO	57	48	63	44	52	3	3.64	2.64	1.33	13.74	207	8.95	196	98	64	0	0	5	3
CO	DENVER	48	25	62	16	37	7	0.00	-0.11	0.00	0.23	22	0.19	47	81	30	0	6	0	0
	GRAND JUNCTION	38	22	41	16	30	2	0.14	0.03	0.12	0.87	80	0.34	81	93	62	0	7	2	0
	PUEBLO	55	21	68	4	38	8	0.00	-0.06	0.00	0.34	49	0.12	44	78	26	0	6	0	0
CT	BRIDGEPORT	38	22	50	2	30	2	1.17	0.45	0.87	8.90	145	2.38	90	80	43	0	6	3	1
	HARTFORD	37	18	50	0	28	4	1.02	0.28	0.79	7.98	119	2.37	85	78	40	0	7	3	1
DC	WASHINGTON	47	28	62	11	38	4	1.09	0.48	0.92	7.69	144	2.18	98	81	41	0	5	3	1
FL	PANAMA CITY	66	45	73	27	56	6	--	--	--	--	--	--	--	96	51	0	1	-	-
	DAYTONA BEACH	70	42	81	25	56	-1	0.57	-0.06	0.51	4.03	85	2.02	92	94	45	0	1	2	1
	JACKSONVILLE	69	39	80	23	54	-1	1.21	0.48	1.20	5.82	108	2.58	105	95	44	0	2	2	1
	KEY WEST	73	59	80	46	66	-3	0.90	0.45	0.90	3.33	91	1.91	116	82	59	0	0	1	1
	MIAMI	74	54	81	37	64	-3	0.00	-0.47	0.00	2.69	78	1.67	103	83	47	0	0	0	0
	ORLANDO	73	43	82	26	58	-2	0.21	-0.33	0.16	3.00	76	0.86	48	93	45	0	1	2	0
	TALLAHASSEE	70	40	76	18	55	4	1.02	-0.05	0.81	9.48	107	3.34	87	96	37	0	3	3	1
	TAMPA	72	48	79	31	60	1	0.29	-0.17	0.29	2.99	81	0.86	57	91	50	0	1	1	0
	WEST PALM BEACH	73	51	81	35	62	-4	0.00	-0.58	0.00	5.72	136	4.23	215	77	49	0	0	0	0
GA	ATLANTA	63	43	70	29	53	12	1.04	-0.03	0.64	6.95	85	4.05	106	79	33	0	2	3	1
	AUGUSTA	67	34	74	22	50	7	0.28	-0.66	0.26	5.11	77	3.04	94	91	38	0	3	2	0
	MACON	65	39	72	27	52	7	0.33	-0.70	0.27	8.15	102	4.92	135	88	43	0	3	2	0
	SAVANNAH	67	41	77	22	54	5	0.32	-0.50	0.28	5.48	93	2.79	96	90	40	0	2	2	0
HI	HILO	80	64	82	60	72	0	1.38	-0.79	1.30	9.07	45	2.18	27	89	63	0	0	2	1
	HONOLULU	78	62	82	57	70	-2	2.33	1.57	2.08	8.32	123	6.43	218	86	56	0	0	3	1
	KAHULUI	79	62	83	56	71	-1	0.23	-0.70	0.12	13.40	200	3.21	95	89	58	0	0	2	0
	LIHUE	--	--	--	--	--	--	--	--	--	--	--	--	--	95	69	-	-	-	-
ID	BOISE	39	25	44	20	32	3	0.55	0.22	0.24	4.62	183	1.86	158	92	60	0	7	4	0
	LEWISTON	39	31	49	26	35	1	0.60	0.32	0.51	3.98	175	1.36	128	94	66	0	5	2	1
	POCATELLO	36	19	46	6	27	4	0.51	0.29	0.34	4.28	219	1.14	134	90	63	0	7	5	0
IL	CHICAGO	36	18	46	0	27	6	0.46	0.14	0.25	2.41	65	1.26	98	94	62	0	7	2	0
	MOLINE	34	14	50	-2	24	4	0.10	-0.21	0.06	0.87	25	0.16	12	89	69	0	7	2	0
	PEORIA	35	16	49	2	26	4	0.40	0.09	0.32	1.84	50	0.76	60	90	59	0	7	2	0
	QUINCY	37	19	54	3	28	4	--	--	--	--	--	--	--	87	65	0	6	-	-
	ROCKFORD	33	14	45	-1	24	6	0.04	-0.22	0.02	2.70	87	0.58	52	94	70	0	7	2	0
	SPRINGFIELD	35	19	48	6	27	3	0.59	0.29	0.36	1.81	45	1.10	87	91	67	0	7	3	0
IN	EVANSVILLE	44	27	57	19	36	4	1.49	0.83	0.93	6.74	109	3.24	133	93	65	0	6	3	1
	FORT WAYNE	35	17	46	-11	26	4	0.67	0.28	0.39	4.93	111	1.74	112	95	76	0	7	3	0
	INDIANAPOLIS	38	21	51	9	30	4	1.11	0.62	0.75	5.53	106	3.22	169	90	65	0	7	3	1
	SOUTH BEND	35	17	46	-8	26	3	0.56	0.10	0.36	4.00	78	1.60	86	91	72	0	7	3	0
IA	DES MOINES	34	14	52	-4	24	5	0.00	-0.20	0.00	0.57	26	0.05	6	87	59	0	6	0	0
	SIOUX CITY	32	13	47	-4	22	4	0.00	-0.11	0.00	0.50	41	0.34	77	87	59	0	6	0	0
	WATERLOO	30	9	46	-8	20	5	0.32	0.15	0.22	1.59	82	0.68	105	94	67	0	7	2	0
KS	CONCORDIA	46	22	69	1	34	8	0.00	-0.11	0.00	0.07	5	0.00	0	79	42	0	5	0	0
	DODGE CITY	54	25	68	9	40	10	0.00	-0.11	0.00	0.04	4	0.04	9	77	28	0	6	0	0
	GOODLAND	50	19	71	1	35	6	0.00	-0.08	0.00	0.09	13	0.05	16	82	30	0	7	0	0
	TOPEKA	47	22	67	4	34	8	0.03	-0.16	0.03	0.10	5	0.10	13	85	45	0	6	1	0
	WICHITA	53	26	68	11	40	9	0.00	-0.18	0.00	0.37	18	0.34	49	83	37	0	6	0	0
KY	BOWLING GREEN	52	30	67	21	41	9	1.33	0.50	0.83	7.19	88	2.39	77	92	47	0	5	2	2
	LEXINGTON	47	28	61	17	38	7	2.52	1.91	1.83	8.45	134	3.26	139	90	49	0	6	2	2
	LOUISVILLE	47	28	60	17	37	6	1.12	0.49	0.58	6.43	108	2.22	95	95	51	0	6	2	2
LA	BATON ROUGE	69	48	77	27	58	9	0.59	-0.51	0.31	6.17	65	4.35	110	98	58	0	1	4	0
	LAKE CHARLES	68	49	77	31	59	8	0.57	-0.41	0.47	7.11	81	4.55	122	98	68	0	1	3	0
	NEW ORLEANS	70	50	77	31	60	9	0.66	-0.48	0.58	10.28	105	4.77	117	93	46	0	1	4	1
	SHREVEPORT	64	44	74	34	54	9	1.57	0.63	1.20	6.21	75	3.97	115	92	51	0	0	3	1

Based on 1961-90 normals

Weather Data for the Week Ending January 25, 1997

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.05 INCH OR MORE
ME	CARIBOU	25	-8	42	-31	8	0	0.50	-0.01	0.41	6.68	128	3.06	152	89	62	0	7	3	0
	PORTLAND	36	14	49	-5	25	5	0.55	-0.21	0.42	7.94	107	1.60	55	76	38	0	7	2	0
MD	BALTIMORE	45	22	57	1	33	2	1.27	0.58	1.03	9.30	158	2.33	94	94	48	0	5	2	1
	SALISBURY	50	24	62	5	37	3	0.64	-0.17	0.26	7.88	118	1.62	55	92	38	0	5	4	0
MA	BOSTON	40	20	55	0	30	2	0.86	0.08	0.59	7.52	109	1.86	64	78	39	0	6	3	1
	CHATHAM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MI	ALPENA	31	6	45	0	18	2	0.89	0.54	0.62	8.64	256	3.45	254	89	67	0	7	5	1
	DETROIT	35	17	48	-5	26	4	0.45	0.09	0.20	3.67	86	1.11	76	89	69	0	6	3	0
	FLINT	33	12	45	-3	23	2	0.29	0.00	0.11	2.87	89	0.81	70	92	66	0	7	4	0
	GRAND RAPIDS	35	16	45	-6	25	4	0.59	0.22	0.43	4.33	99	2.09	136	93	68	0	7	4	0
	HOUGHTON LAKE	30	6	43	0	18	2	0.71	0.40	0.38	4.30	135	2.12	170	90	65	0	7	4	0
	LANSING	35	13	45	-3	24	4	0.38	0.05	0.23	3.82	111	1.00	82	94	67	0	7	3	0
	MARQUETTE	27	2	34	-8	14	3	2.01	1.55	0.70	10.77	245	6.33	352	91	68	0	7	5	3
	MUSKEGON	36	16	49	-1	26	3	0.63	0.15	0.52	3.73	75	1.84	93	91	60	0	7	3	1
	SAULT ST. MARIE	24	-4	40	-12	10	-2	1.09	0.57	0.45	6.02	123	1.95	97	86	66	0	7	6	0
MN	ALEXANDRIA	18	1	35	-26	10	3	–	–	–	–	–	–	–	93	72	0	7	-	-
	DULUTH	23	2	34	-17	13	6	0.09	-0.17	0.07	1.02	45	0.51	50	93	69	0	7	2	0
	INT'L FALLS	18	-7	34	-35	6	5	0.18	-0.01	0.08	1.86	118	0.38	52	88	60	0	7	3	0
	MINNEAPOLIS	26	7	37	-12	17	5	0.38	0.17	0.16	3.13	170	1.43	183	94	68	0	7	4	0
	ROCHESTER	26	8	38	-13	17	6	0.47	0.30	0.34	2.68	161	1.50	234	94	68	0	7	4	0
MS	GREENWOOD	63	39	74	28	51	9	–	–	–	–	–	–	–	94	53	0	2	-	-
	JACKSON	66	41	77	25	54	11	0.39	-0.80	0.31	6.36	59	3.04	67	91	48	0	2	4	0
	MERIDIAN	66	39	76	21	53	8	0.94	-0.19	0.66	6.22	61	3.52	86	96	47	0	3	3	1
MO	CAPE GIRARDEAU	48	30	64	18	39	8	1.73	1.12	1.42	5.74	85	2.90	121	97	59	0	3	3	1
	COLUMBIA	42	24	59	8	33	7	0.86	0.55	0.45	1.81	47	1.42	115	92	58	0	6	3	0
	KANSAS CITY	44	23	64	2	33	8	0.19	-0.03	0.19	0.23	9	0.23	26	84	48	0	5	1	0
	SAINT LOUIS	43	25	57	13	34	5	0.82	0.45	0.63	2.62	58	1.72	115	87	59	0	5	3	1
	SPRINGFIELD	47	29	59	14	38	8	0.33	-0.03	0.17	1.73	43	1.02	73	90	54	0	5	2	0
MT	BILLINGS	29	14	50	-11	21	-2	0.05	-0.14	0.05	0.95	82	0.79	104	84	60	0	5	1	0
	GLASGOW	12	-3	34	-31	4	-6	0.24	0.16	0.14	0.80	116	0.29	94	87	76	0	7	3	0
	GREAT FALLS	25	7	58	-16	16	-5	0.11	-0.08	0.05	0.52	32	0.16	21	84	64	0	6	3	0
	HAVRE	17	0	46	-31	8	-6	0.06	-0.05	0.06	0.59	60	0.14	31	88	72	0	7	1	0
	HELENA	22	3	37	-16	12	-8	0.07	-0.07	0.03	0.85	78	0.25	48	86	69	0	7	3	0
	KALISPELL	28	17	35	-3	22	2	0.16	-0.17	0.15	4.43	148	1.16	91	91	76	0	7	2	0
	MILES CITY	22	4	40	-16	13	-3	0.11	0.00	0.09	0.60	56	0.16	35	90	65	0	7	2	0
	MISSOULA	32	22	39	10	27	4	0.08	-0.20	0.04	5.73	260	1.28	123	94	70	0	7	4	0
NE	GRAND ISLAND	41	15	67	-3	28	6	0.00	-0.11	0.00	0.15	14	0.00	0	84	49	0	7	0	0
	LINCOLN	40	16	63	-1	28	7	0.00	-0.11	0.00	0.16	12	0.04	5	88	51	0	6	0	0
	NORFOLK	35	13	53	-5	24	5	0.01	-0.10	0.01	0.41	38	0.07	17	85	55	0	6	1	0
	NORTH PLATTE	42	11	67	-6	26	5	0.00	-0.08	0.00	0.00	0	0.00	0	88	39	0	7	0	0
	OMAHA	37	18	53	-2	26	5	0.07	-0.10	–	0.53	32	0.21	34	84	56	0	6	-	-
	SCOTTSBLUFF	43	16	64	1	29	4	0.02	-0.09	0.02	0.37	39	0.18	46	86	36	0	7	1	0
	VALENTINE	35	10	63	-16	23	0	0.00	-0.09	0.00	0.18	22	0.04	12	91	52	0	7	0	0
NV	ELY	40	16	49	3	28	3	0.19	0.02	0.12	1.35	102	1.03	175	85	50	0	7	3	0
	LAS VEGAS	60	42	63	33	51	5	0.00	-0.11	0.00	0.21	28	0.21	54	70	34	0	0	0	0
	RENO	42	25	51	18	33	0	1.59	1.34	0.81	5.89	317	2.93	329	99	62	0	7	6	2
	WINNEMUCCA	38	18	52	-2	28	-2	0.74	0.57	0.41	4.31	287	1.33	218	93	60	0	7	3	0
NH	CONCORD	33	11	48	-8	22	3	0.88	0.33	0.55	8.16	158	2.41	118	79	39	0	7	2	1
NJ	ATLANTIC CITY	45	22	57	2	34	3	0.76	-0.01	0.47	7.82	127	1.24	44	86	44	0	7	3	0
NM	ALBUQUERQUE	48	27	51	22	38	3	0.00	-0.11	0.00	0.40	48	0.40	118	81	38	0	6	0	0
	CLOVIS	57	30	63	25	44	7	–	–	–	–	–	–	–	83	28	0	5	-	-
	ROSWELL	63	28	70	24	46	6	–	–	–	–	–	–	–	83	26	0	6	-	-
NY	ALBANY	33	13	45	-7	23	3	0.12	-0.39	0.09	4.83	100	0.65	34	92	48	0	7	2	0
	BINGHAMTON	33	11	45	-8	22	1	0.12	-0.40	0.04	7.17	145	0.83	42	83	55	0	7	4	0
	BUFFALO	37	14	47	-3	26	3	1.03	0.46	0.47	6.97	118	3.55	159	91	59	0	6	6	0
	NEW YORK	42	25	52	5	34	3	1.70	1.03	1.06	8.89	152	2.99	121	76	39	0	5	3	2
	ROCHESTER	37	14	49	-5	26	3	0.58	0.14	0.38	4.31	98	1.34	79	87	54	0	6	6	0
	SYRACUSE	38	13	49	-7	25	4	0.22	-0.28	0.10	5.24	103	0.99	51	87	51	0	6	5	0
NC	ASHEVILLE	49	29	60	19	39	3	1.10	0.23	1.04	7.30	96	3.39	106	93	49	0	4	3	1
	CHARLOTTE	56	34	65	22	44	5	0.67	-0.18	0.39	5.06	78	2.45	82	90	42	0	3	4	0
	GREENSBORO	49	28	62	11	38	2	0.55	-0.17	0.26	6.14	103	2.30	89	87	39	0	5	3	0
	HATTERAS	52	36	62	19	44	0	0.25	-0.95	0.13	7.63	86	3.32	77	86	64	0	2	3	0
	NEW BERN	59	33	71	15	46	3	0.36	-0.63	0.15	5.39	75	3.09	89	83	43	0	4	3	0
	RALEIGH	54	29	66	12	42	3	0.47	-0.33	0.31	5.47	90	2.59	92	84	39	0	4	4	0
	WILMINGTON	58	34	70	18	46	3	0.11	-0.96	0.09	5.42	69	2.77	73	92	48	0	4	2	0
ND	BISMARCK	15	-3	38	-23	6	-3	0.12	0.02	0.12	1.49	171	0.81	208	84	64	0	7	1	0
	FARGO	16	-6	33	-26	5	-1	0.11	-0.03	0.11	0.63	52	0.43	77	87	70	0	7	1	0
	GRAND FORKS	15	-5	35	-20	5	1	0.19	0.02	0.10	1.13	91	0.40	88	96	67	0	7	2	0
	WILLISTON	13	-5	35	-32	4	-5	0.02	-0.09	0.02	1.35	131	0.17	39	89	69	0	7	1	0
OH	AKRON-CANTON	39	18	49	-2	29	4	0.42	-0.04	0.27	4.94	105	1.01	57	90	61	0	6	3	0
	CINCINNATI	42	23	56	10	33	5	0.91	0.35	0.58	4.65	89	1.50	71	90	57	0	6	2	1
	CLEVELAND	40	19	51	-3	29	5	0.41	-0.02	0.26	4.02	86	0.99	59	91	59	0	6	5	0
	COLUMBUS	43	22	53	3	32	9	0.86	0.45	0.53	4.93	107	1.58	98	88	57	0	6	2	1
	DAYTON	40	22	54	4	31	5	0.88	0.43	0.66	5.38	115	1.92	110	93	65	0	6	3	1

Based on 1961-90 normals

Weather Data for the Week Ending January 25, 1997

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.05 INCH OR MORE
	TOLEDO	35	15	48	-9	25	3	0.71	0.36	0.36	4.57	105	2.02	138	93	73	0	7	3	0
	YOUNGSTOWN	39	17	48	-4	28	5	0.10	-0.35	0.06	3.15	67	0.47	27	90	57	0	6	2	0
OK	OKLAHOMA CITY	59	35	68	22	47	11	0.00	-0.25	0.00	0.50	22	0.50	56	81	38	0	3	0	0
	TULSA	57	36	68	21	47	11	0.00	-0.33	0.00	0.37	11	0.27	22	83	41	0	1	0	0
OR	ASTORIA	48	38	58	33	43	1	2.25	0.06	0.70	29.47	157	9.43	116	96	75	0	0	6	2
	BURNS	31	11	37	-7	21	-3	0.29	0.07	0.12	4.42	226	1.47	181	98	76	0	7	4	0
	MEDFORD	43	32	54	28	37	-1	0.88	0.31	0.49	13.18	238	3.22	144	94	61	0	5	3	0
	PENDLETON	40	28	49	19	34	0	0.15	-0.18	0.08	2.26	79	0.57	46	91	63	0	6	3	0
	PORTLAND	45	35	50	28	40	0	1.04	-0.11	0.63	16.94	160	4.81	109	91	66	0	2	5	1
	SALEM	46	37	52	33	42	2	0.85	-0.43	0.36	20.10	172	5.40	110	97	72	0	0	4	0
PA	ALLENTOWN	38	18	48	1	28	1	1.22	0.52	0.80	9.73	161	2.42	94	90	51	0	7	3	1
	ERIE	39	16	52	0	27	3	0.60	0.14	0.25	3.47	64	1.15	63	90	58	0	6	5	0
	HARRISBURG	39	25	48	5	32	4	0.23	-0.40	–	6.93	126	0.95	42	81	46	0	5	-	-
	PHILADELPHIA	43	23	56	6	33	4	1.00	0.23	0.70	11.13	172	2.39	86	85	45	0	6	3	1
	PITTSBURGH	42	20	52	0	31	6	0.36	-0.19	0.22	3.09	62	1.20	58	88	57	0	6	2	0
	SCRANTON	35	18	45	-2	26	2	0.37	-0.10	0.20	6.36	151	1.09	64	82	51	0	7	3	0
RI	PROVIDENCE	40	20	54	0	30	3	1.85	1.00	1.34	9.95	132	3.34	105	75	41	0	5	3	1
SC	CHARLESTON	64	41	74	28	53	5	0.09	-0.68	0.04	3.97	67	1.83	66	84	44	0	2	3	0
	COLUMBIA	63	36	71	21	49	5	0.68	-0.34	0.37	5.90	82	3.56	100	90	40	0	3	2	0
	FLORENCE	60	37	70	25	49	5	–	–	–	–	–	–	–	90	44	0	3	-	-
	GREENVILLE	55	33	65	21	44	4	1.97	1.04	1.50	8.78	118	4.62	140	93	40	0	3	5	1
SD	ABERDEEN	16	-1	35	-17	8	-2	0.09	-0.05	0.05	2.34	234	1.47	300	90	72	0	7	2	0
	HURON	22	4	41	-14	13	0	0.00	-0.08	0.00	1.13	149	0.86	283	83	69	0	7	0	0
	RAPID CITY	33	14	50	-9	23	1	0.02	-0.08	0.02	1.48	190	0.49	163	86	61	0	7	1	0
	SIOUX FALLS	25	5	39	-13	15	1	0.10	-0.01	0.10	1.17	105	0.39	96	89	70	0	8	1	0
TN	CHATTANOOGA	58	34	68	24	46	9	2.20	1.12	1.69	8.10	89	4.72	119	92	47	0	4	2	2
	KNOXVILLE	54	34	63	21	44	8	1.18	0.26	0.94	9.29	117	3.94	116	93	48	0	4	3	1
	MEMPHIS	59	41	69	29	50	11	1.26	0.48	0.81	9.11	104	2.95	97	84	48	0	2	4	1
	NASHVILLE	58	34	70	24	46	10	1.67	0.90	1.12	7.13	96	3.08	106	87	41	0	3	3	2
TX	ABILENE	66	40	73	28	53	16	0.00	-0.25	0.00	0.08	4	0.08	10	85	29	0	1	0	0
	AMARILLO	57	31	64	23	44	9	0.00	-0.11	0.00	0.51	64	0.46	118	77	32	0	5	0	0
	AUSTIN	68	49	76	37	58	10	0.17	-0.22	0.13	3.22	100	1.05	78	95	48	0	0	4	0
	BEAUMONT	69	52	78	37	61	10	0.09	-0.96	0.04	6.37	73	3.11	79	98	67	0	0	3	0
	BROWNSVILLE	75	58	81	49	67	7	0.54	0.18	0.36	1.38	56	0.80	48	99	57	0	0	2	0
	CORPUS CHRISTI	68	54	76	48	61	8	0.51	0.10	0.43	1.35	52	0.82	46	98	61	0	0	2	0
	DEL RIO	68	45	79	39	57	7	0.15	-0.11	0.12	0.60	30	0.25	28	93	45	0	0	3	0
	EL PASO	61	39	68	31	50	7	0.02	-0.06	0.02	0.33	36	0.33	103	58	26	0	2	1	0
	FORT WORTH	66	42	71	29	53	11	0.00	-0.41	0.00	0.81	23	0.34	24	97	47	0	2	0	0
	GALVESTON	67	54	77	39	61	8	0.15	-0.55	0.12	4.89	79	1.33	49	97	56	0	0	2	0
	HOUSTON	70	51	80	34	61	11	1.43	0.61	0.99	7.37	94	3.28	108	94	61	0	0	4	1
	LUBBOCK	64	31	68	22	47	8	0.00	-0.08	0.00	0.22	27	0.22	73	86	23	0	3	0	0
	MIDLAND	67	34	72	28	50	7	0.00	-0.11	0.00	0.08	9	0.08	21	86	29	0	3	0	0
	SAN ANGELO	67	39	74	27	53	9	0.00	-0.19	0.00	0.46	33	0.41	66	91	34	0	1	0	0
	SAN ANTONIO	67	48	79	40	57	8	0.11	-0.29	0.06	1.84	66	0.30	22	95	53	0	0	4	0
	VICTORIA	68	53	79	38	61	9	2.33	1.56	1.55	5.91	104	3.90	142	99	64	0	0	5	2
	WACO	66	42	73	31	54	9	0.66	0.28	0.66	4.41	140	2.44	188	96	46	0	1	1	1
	WICHITA FALLS	65	37	71	26	51	12	0.00	-0.30	0.00	0.35	17	0.35	44	83	31	0	3	0	0
UT	CEDAR CITY	42	25	46	8	34	4	0.00	-0.17	0.00	2.50	203	1.52	281	93	55	0	5	0	0
	SALT LAKE CITY	44	21	49	11	32	4	0.51	0.26	0.31	3.65	157	1.92	211	86	43	0	6	3	0
VT	BURLINGTON	32	9	47	-16	21	5	0.42	0.03	0.29	5.00	128	1.37	91	85	48	0	7	4	0
VA	NORFOLK	52	30	67	14	41	3	0.25	-0.60	0.12	5.43	86	1.61	53	88	57	0	4	3	0
	RICHMOND	51	25	62	4	38	3	0.28	-0.44	0.14	6.34	109	1.43	55	94	42	0	5	2	0
	ROANOKE	48	28	55	6	37	3	0.36	-0.22	0.32	4.04	80	1.39	67	91	39	0	5	3	0
WA	QUILLAYUTE	45	36	52	23	40	0	3.14	-0.04	2.05	27.84	102	13.50	115	82	59	0	2	5	1
	SEATTLE-TACOMA	45	37	53	26	41	0	1.40	0.23	0.79	16.59	160	5.30	119	93	72	0	1	4	1
	SPOKANE	33	26	40	15	30	2	0.10	-0.32	0.04	5.09	126	1.00	61	97	83	0	7	3	0
	YAKIMA	35	25	40	18	30	0	0.03	-0.23	0.03	6.20	259	0.61	60	90	78	0	7	1	0
WV	BECKLEY	44	23	54	0	34	5	0.63	-0.02	0.46	4.87	87	1.96	83	92	47	0	6	4	0
	CHARLESTON	51	26	61	2	39	7	0.39	-0.24	0.34	2.79	49	1.02	43	86	50	0	6	2	0
	HUNTINGTON	49	25	60	4	37	7	0.48	-0.18	0.25	3.40	57	1.28	53	89	52	0	6	2	0
	PARKERSBURG	48	24	55	0	36	6	0.28	-0.44	0.24	3.86	66	1.23	47	90	49	0	6	2	0
WI	GREEN BAY	32	11	43	-7	21	7	0.42	0.17	0.27	2.46	99	1.23	128	92	71	0	7	4	0
	LACROSSE	32	12	43	-8	22	8	0.43	0.24	–	3.03	150	1.82	216	93	63	0	7	-	-
	MADISON	33	13	46	-3	23	7	0.27	0.02	0.25	2.41	93	1.11	114	90	67	0	7	2	0
	MILWAUKEE	35	18	46	2	27	8	0.42	0.09	0.35	2.48	88	1.14	86	89	62	0	7	2	0
	WAUSAU	31	10	41	-8	20	8	0.54	0.36	0.40	3.55	161	1.78	228	87	55	0	7	3	0
WY	CASPER	36	20	48	-1	28	5	0.08	-0.03	0.08	1.00	91	0.57	130	77	50	0	5	1	0
	CHEYENNE	42	22	59	10	32	6	0.00	-0.06	0.00	0.30	43	0.26	93	66	37	0	7	0	0
	LANDER	34	16	44	6	25	5	0.00	-0.11	0.00	0.59	61	0.26	72	79	52	0	7	0	0
	SHERIDAN	31	12	46	-12	22	1	0.00	-0.17	0.00	1.00	76	0.29	49	86	62	0	7	0	0
PR	SAN JUAN	–	–	–	–	–	–	2.36	1.80	–	6.72	98	3.43	144	94	83	–	–	–	–

Based on 1961-90 normals

Note: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

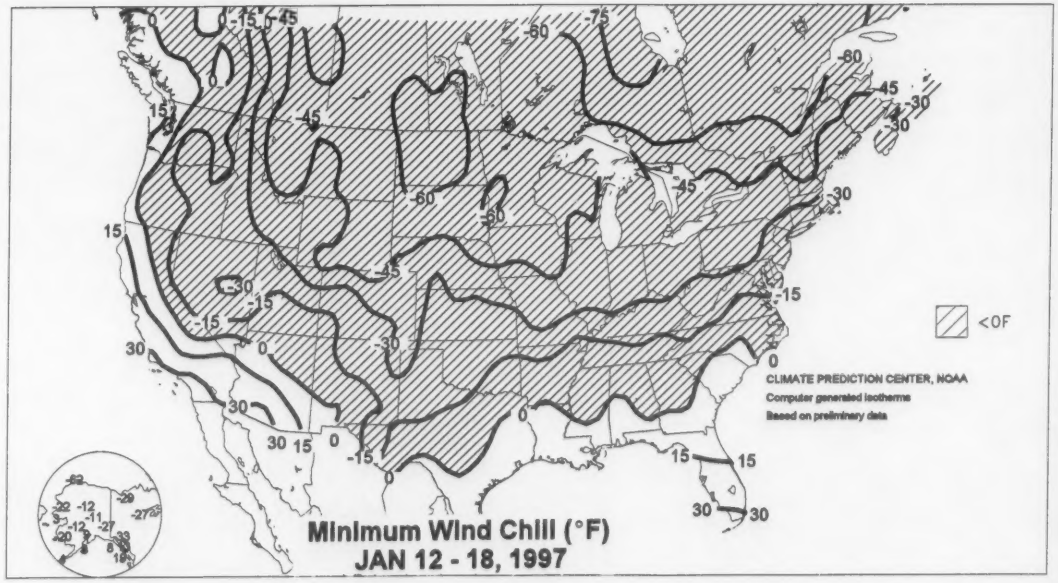
Snowfall: Observed vs. Normal
September 1996 to January 1997

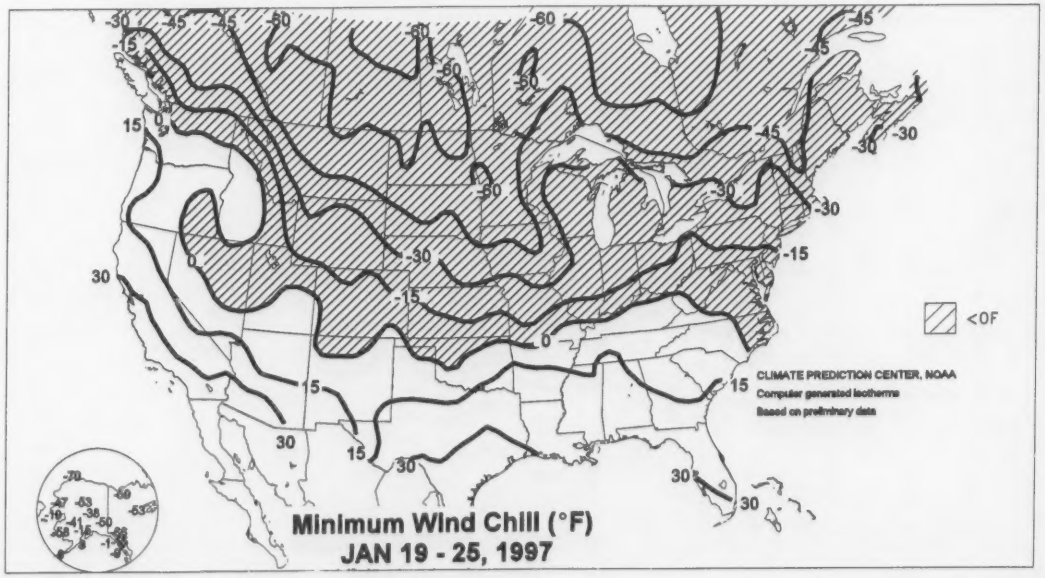
State	City	Total	Normal
IA	Waterloo	25	17
	Dubuque	31	24
MI	Marquette	184	93
MN	Rochester	51	25
	Minneapolis	54	28
	Duluth	89	45
MT	Glasgow	43	17
ND	Bismarck	59	23
	Fargo	75	22
SD	Huron	30	18
	Sioux Falls	39	19
	Aberdeen	54	n/a
WI	Madison	26	25
	Green Bay	37	27

All values rounded to the nearest inch.
Updated through January 26, 1997.

Periods of bitterly cold, breezy, snowy weather have persisted across the North Central States in January, continuing a pattern that developed in mid-October and intensified in late November. Since November 1, temperatures have averaged 5 to 10°F below normal throughout the Dakotas and western Minnesota, as well as much of Montana, northwestern Iowa, and northern portions of Wyoming and Nebraska. According to preliminary data from the National Climatic Data Center, November-December 1996 was the 10th coldest such period since 1895 across the West North Central region (MT, WY, ND, SD, and NE).

Snowfall during the winter of 1996-97 has already surpassed seasonal normals in many locations in the North Central States. Strong winds have caused considerable blowing and drifting snow, lowered wind chill temperatures at times from -50 to -85°F, and created frequent ground-blizzard conditions. Due to the region's deep snow pack, spring flooding is a major concern, especially if a sudden spring thaw is accompanied by heavy



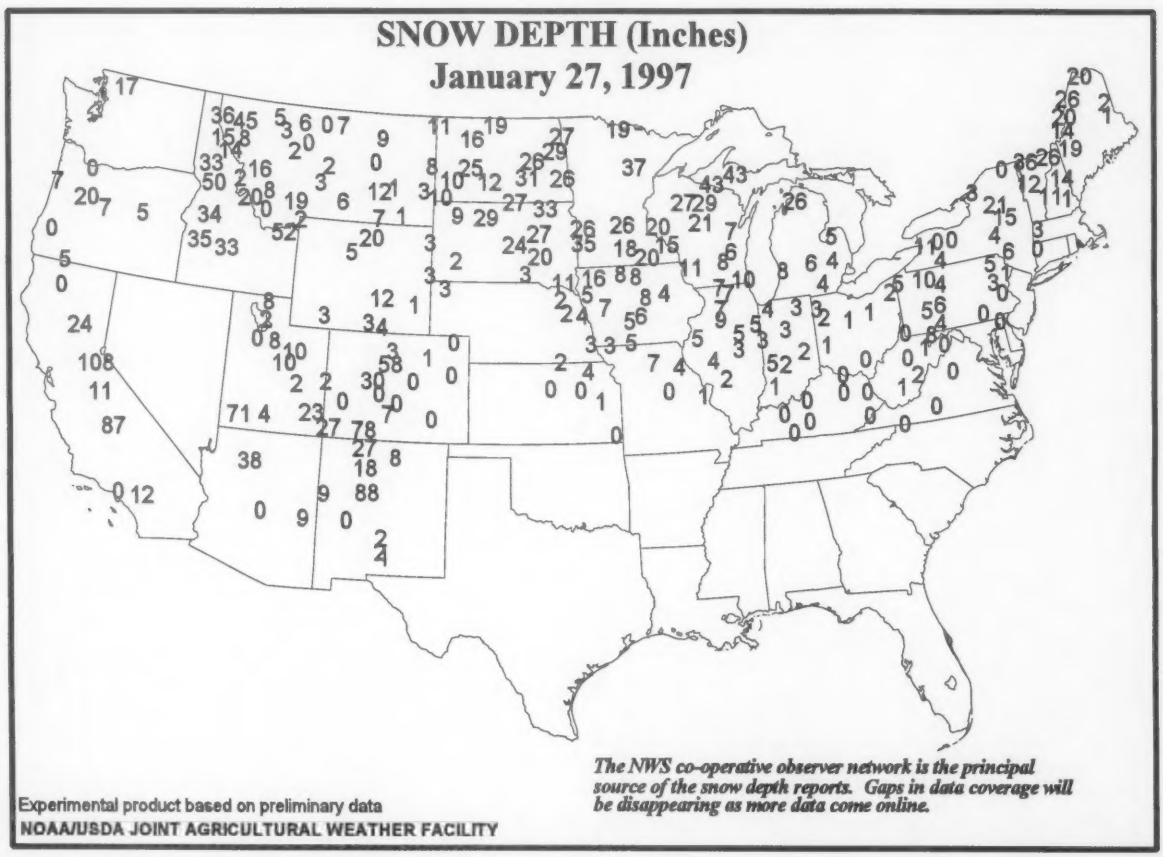


National Agricultural Summary

January 20 - 26, 1997

HIGHLIGHTS

The northern half of the country remained in a winter weather pattern that continued to pressure livestock and feed supplies. The heavier-than-normal feeding will likely result in shortages in many areas by spring. Livestock losses continued to be heavy, and producers are still calculating losses. Dry conditions persisted through the central Great Plains, but little damage to wheat was reported. Pacific storms continued to produce heavy precipitation in central and northern California, resulting in additional flooding in some areas. Many agricultural activities were at a standstill. Florida's freeze damage is still being assessed. Producers were salvaging marketable fruit to limit losses. Vegetable losses were heavy in some areas, especially in southern Florida.


SNOW DEPTH (Inches)
January 27, 1997
The NWS co-operative observer network is the principal source of the snow depth reports. Gaps in data coverage will be disappearing as more data come online.
Experimental product based on preliminary data
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

International Weather and Crop Summary

January 19 - 25, 1997

HIGHLIGHTS

FSU-WESTERN: Unusually mild weather provided favorable overwintering conditions for winter grains.

EUROPE: Mild weather diminished protective snow cover in the north, while unusually wet weather continued in Spain.

AUSTRALIA: Scattered showers in eastern Australia benefited local summer crops and pastures.

SOUTH AFRICA: Rain benefited reproductive corn, but a few dry pockets lingered in the west.

SOUTHEAST ASIA: Across Java, showers continued to favor main-season rice, but caused additional flooding.

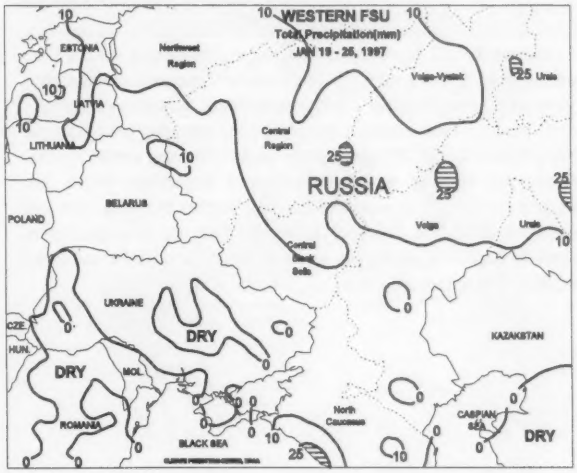
EASTERN ASIA: Seasonable weather prevailed across the North China Plain, keeping winter wheat dormant. Rain favored winter grains and oilseeds across southern China.

SOUTH AMERICA: In southern Brazil, dry weather returned to Rio Grande do Sul after early-week beneficial rains. Dry weather prevailed across central Argentina, but adequate soil moisture still exists for summer crops.

NORTHWESTERN AFRICA: Showers maintained adequate to abundant moisture for winter grain development in Morocco, while unfavorably dry weather persisted in central and eastern Algeria.

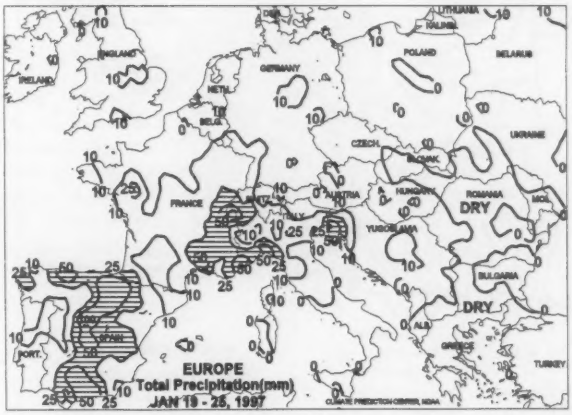
FSU-WESTERN

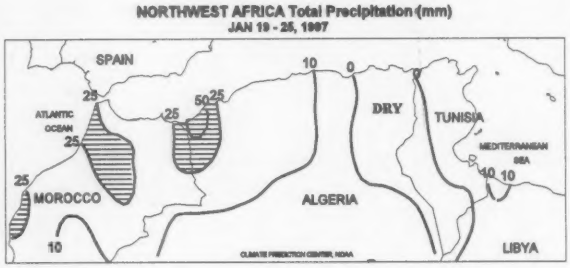
A substantial warming trend occurred over most winter grain areas in Russia, Ukraine, Belarus, and the Baltics. The highest temperatures during the week rose to slightly above freezing (1-8 degrees C) in these areas. Weekly temperatures averaged 4 to 8 degrees C above normal in Russia, 2 to 6 degrees above normal in Ukraine, and 4 to 6 degrees C above normal in the Baltics and Belarus. While the mild weather provided favorable overwintering conditions for winter grains, it caused some melting of snow, especially in western crop areas. Mostly dry weather prevailed over Ukraine and southern Russia, while moderate to heavy snow (10-25 mm liquid equivalent) fell over northern Russia, increasing snow cover.



EUROPE

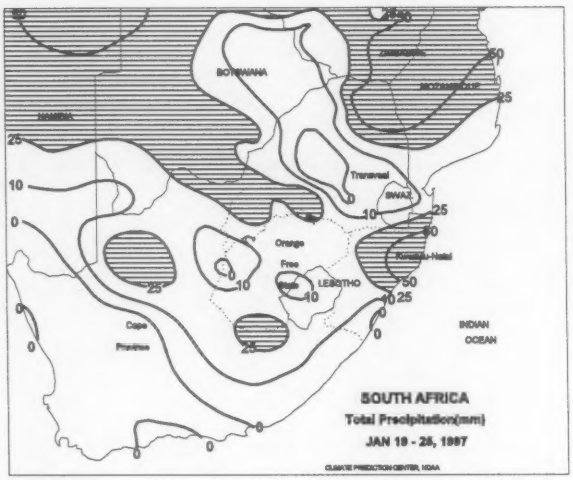
A warming trend continued over most of the continent, providing favorable overwintering conditions for winter grains, but melting protective snow cover. Light, if any, precipitation accompanied the mild weather in northern and eastern Europe. By week's end, most winter grain areas in the north were snow-free. However, a shallow to moderate snow cover remained over winter grain areas from the Czech Republic and Slovakia, southward through Hungary, into Romania. Weekly temperatures averaged 2 to 6 degrees C above normal over most of Europe. In Spain, light to moderate precipitation (25-50 mm, with local amounts in excess of 50 mm) maintained an unusually wet weather pattern that has persisted since early December, especially in the south. While the wet weather in Spain has resulted in some fieldwork delays, it has boosted reservoir levels and provided abundant soil moisture.





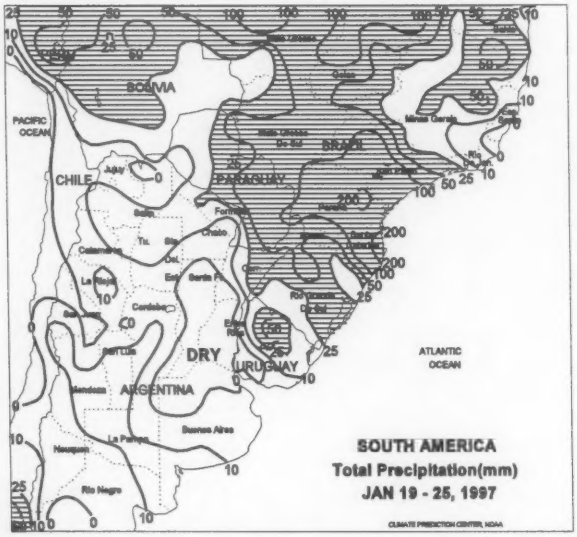
NORTHWESTERN AFRICA

Showers (10-36 mm) continued in Morocco, maintaining adequate to abundant moisture conditions for winter grains in the vegetative stage. Farther east, although light to moderate showers in western Algeria helped ease prolonged dryness, dry weather persisted in primary growing areas in central and eastern Algeria. Furthermore, unseasonably warm weather prevailed in Algeria, increasing evaporation rates. In Tunisia, dry weather returned to most of the country, following last week's beneficial rains. Soil moisture remained limited in Algeria and Tunisia, necessitating timely rains during the remainder of the growing season to boost yield prospects.



SOUTH AFRICA

Scattered showers (5-37 mm) continued across the corn belt. Temperatures averaged near normal, with highs reaching the low to mid 30's C in the west. Corn was in or approaching reproduction across the region and many locations, notably western Orange Free State, required additional moisture for normal development. However, this past week's rain (15-35 mm) has been highly beneficial in North West, an important white corn producer. Elsewhere, moderate to heavy rain (25-50 mm or more) fell in Kwazulu-Natal's northern sugarcane areas, but drier weather (25 mm or less) dominated the southern crop areas.

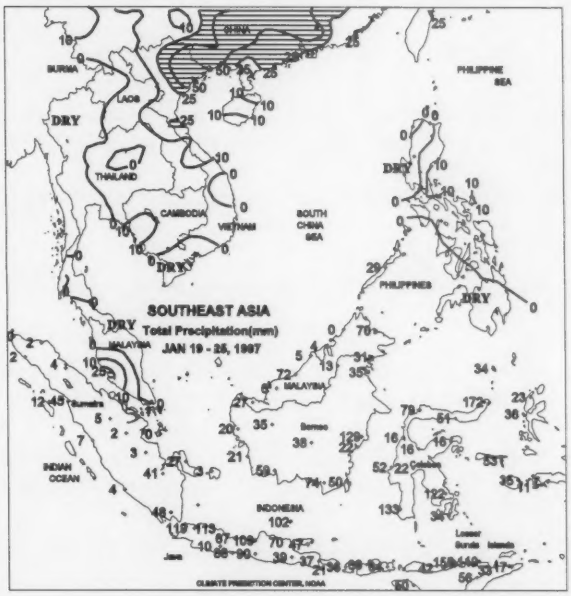


SOUTH AMERICA

In southern Brazil, dry weather returned to Rio Grande do Sul after beneficial early-week rainfall (40-60 mm). Temperatures averaged near normal across the state. Elsewhere in Brazil, widespread showers (25-75 mm) kept soil moisture levels high for reproductive soybeans. Heavy showers (125-200 mm) likely caused flooding across Parana. Mostly dry weather prevailed in central Argentina, where soil moisture should still be adequate for reproductive to filling corn and vegetative soybeans. However, by week's end, higher temperatures (above 35 degrees C) started to increase evapotranspiration rates and reduce soil moisture reserves.

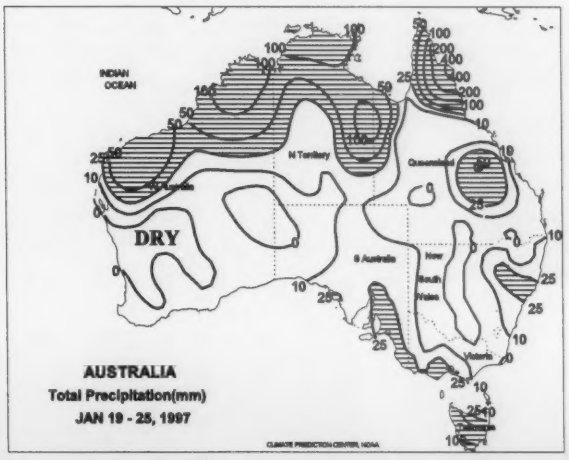
EASTERN ASIA

Seasonably dry, cold weather kept winter wheat dormant across the North China Plain. Several weeks of cold weather (minimum temperatures below -5 degrees C) have helped to reduce pests to summer crops (especially cotton) across this region. Moderate rain (15-60 mm) fell across the southern half of China, favoring winter grains and oilseeds and increasing reservoir supplies for summer crops.



SOUTHEAST ASIA

Widespread heavy showers (60-125 mm, with isolated amounts greater than 150 mm) fell across western and central Java, maintaining irrigation supplies for main-season rice. These showers also prompted additional flooding. In the Philippines, mostly dry weather has prevailed, with only southern Luzon reporting significant rainfall (5-25 mm). The northeastern monsoon, which is the main mechanism for rainfall across the islands, has temporarily subsided. Showers (15-60 mm) favored winter-spring rice transplanting across northern Vietnam.



AUSTRALIA

Scattered showers (5-25 mm or more) benefited Queensland's northern sorghum and cotton, but the remainder of the main summer crop areas received little or no rain. In the southeast, moderate rain (10-25 mm or more) boosted moisture reserves for pastures and grazing. Dry weather persisted in the west. In New Zealand, light rain (25 mm or less) covered the main pasture areas.

The *Weekly Weather and Crop Bulletin* is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

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Florida Freeze Damage Update

The following information is taken from the January 27 news release by the USDA Florida Agricultural Statistics Service.

- Freezing temperatures at the start of the week of January 19 through 25 harmed crops to varying degrees in all areas. Lows were in the teens, twenties, and thirties. Some Everglades localities reportedly recorded below-freezing temperatures for 11 hours.
- **Sugarcane:** The cold on January 19-20 damaged the crop. In some fields, the leaves were only scorched and in others the total top was killed.
- **Citrus:** Damage from freezing temperatures on January 19 is variable, depending on location, tree condition, stage of growth, and moisture levels at the time of the freeze.
- **Vegetables:** Warmer weather during the week helped some vegetable fields, mainly younger acreage, recover from the freeze. Producers are salvaging marketable fruit from fields hurt significantly by the freeze.
- **Snap beans and squash:** In Dade and Everglades, some young acreage is recovering from the frost, with plants now greening up. The cold hurt most older fields. In the Southwest, growers are continuing to plant acreage destroyed by the recent freeze.
- **Sweet corn:** The crop condition is improving in Dade. Producers in the Everglades are beginning to replant young fields destroyed by the freeze.
- **Tomatoes:** Higher temperatures are aiding recovery from the cold. Harvesting of a reduced volume continues. In Dade, damage from the frost was spotty. Some fields showed considerable damage while others were not hurt as much. In Palmetto-Ruskin, crop condition is poor to fair. Producers are replanting some acreage lost to the freeze. Most fields lost to the freeze will be replanted.

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